

## COMBAT DIVERS DISPLAY MASK (CDDM) WITH INTEGRATED VOICE COMMUNICATION (IVC)

### DESCRIPTION

The Combatant Diver Display Mask (CDDM) is an integrated full facemask with a display screen and underwater voice communication system. With the transducer attached to the diving apparatus the CDDM display screen will display the diver with his depth, breathing gas pressure and current time of dive. With the voice communication system, the dive team will have the capability to talk from diver to diver with the aid of the communication rope as well as through water communication from dive team to dive team along with dive team to top side. This system can be used with several diving systems that include the MK25 closed circuit Underwater Breathing Apparatus (UBA), traditional open circuit SCUBA as well as the MK16 semi closed circuit system. The CDDM NATO pod has a universal adaptor that will allow the diver to switch between two diving systems while the diver is subsurface as well as allow for any newly approved diving systems to be utilized.

### OPERATIONAL IMPACT

The CDDM will replace the current divers mask and primarily will be utilized with the MK25 closed circuit UBA. The CDDM will provide the combatant diver with protection against the elements around the facial area along with providing him the capability to better monitor his depth, bottle pressure, time of dive

and maintain voice communication between divers, dive teams and top side support. When utilizing the Divers Propulsion Device (DPD), dive element leaders will be able to maintain better Command and Control (C2) of their unit as well as better C2 from top side and the dive unit conducting clandestine operations.

### PROGRAM STATUS

The CDDM is in the system development and demonstration phase of the acquisition life cycle. The Marine Corps purchased fifteen (15) prototype masks and fifteen (15) production-like communication systems in fiscal year 2007 for performance testing. During fiscal year 2008, Marine Corps Systems Command in conjunction with the Marine Corps Operational Test and Evaluation Activity will be conducting additional performance testing and Field Users Evaluation to determine its ability to meet requirements. Procurement of production masks will be in fiscal year 2008 based on successful evaluation/testing. Fielding of the CDDM is planned to begin in fiscal year 2009 and continue to completion in fourth quarter fiscal year 2009.

Procurement Profile:	FY2008	FY2009
Quantity:	15	885

Developer/Manufacturer:  
CDDM - Kirby Morgan,  
Voice Communication System – Ocean  
Technology Systems (OTS)